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AMENDMENTS TO THE CLAIMS

- (currently amended) A compound 12 to 50 nucleobases in length targeted to a region comprising nucleotide 901 to 950 of the e nucleic acid molecule encoding diacylglycerol acyltransferase 2 in (SEQ ID NO: 4), wherein said compound is at least 80% complementary to said nucleic acid molecule encoding diacylglycerol acyltransferase 2, and wherein said compound comprises at least an 8 nucleobase portion of SEQ ID NO: 35, 36, 37 or 38.
- (canceled)
- 3. (previously amended) The compound of claim 1 comprising 15 to 30 nucleobases in length.
- 4. (original) The compound of claim 1 comprising an oligonucleotide.
- 5. (original) The compound of claim 4 comprising an antisense oligonucleotide.
- 6. (original) The compound of claim 4 comprising a DNA oligonucleotide.
- 7. (original) The compound of claim 4 comprising a RNA oligonucleotide.
- 8. (original) The compound of claim 4 comprising a chimeric oligonucleotide,
- (original) The compound of claim 4 wherein at least a portion of said compound hybridizes with RNA to form an oligonucleotide-RNA duplex.
- 10. (canceled)
- 11. (original) The compound of claim 1 having at least 90% complementarity with said nucleic acid molecule encoding diacylglycerol acyltransferase 2.
- 12. (original) The compound of claim 1 having at least 95% complementarity with said nucleic acid molecule encoding diacylglycerol acyltransferase 2.
- 13. (previously amended) The compound of claim 1 having 100% complementarity with said nucleic acid molecule encoding diacylglycerol acyltransferase 2.
- 14. (original) The compound of claim 1 having at least one modified internucleoside linkage, sugar moiety, or nucleobase.
- 15. (original) The compound of claim 1 having at least one 2'-O-methoxyethyl sugar moiety.
- 16. (original) The compound of claim 1 having at least one phosphorothicate internucleoside linkage.
- 17. (original) The compound of claim 1 having at least one 5-methylcytosine.

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- 18. (withdrawn) A method of inhibiting the expression of diacylglycerol acyltransferase 2 in a cell or tissue comprising contacting said cell or tissue with the compound of claim 1 so that expression of diacylglycerol acyltransferase 2 is inhibited.
- 19. 21. (canceled)
- 22. (original) A kit or assay device comprising the compound of claim 1.
- 23. (withdrawn) A method of ameliorating or lessening the severity of a condition in an animal comprising contacting said animal with an effective amount of the compound of claim 1 so that expression of diacylglycerol acyltransferase 2 is inhibited and measurement of one or more physical indicia of said condition indicates a lessening of the severity of said condition.
- 24. (withdrawn) The method of claim 23 wherein the condition is a cardiovascular disorder.
- 25. (withdrawn) The method of claim 23 wherein the condition is obesity.
- 26. (withdrawn) The method of claim 25 wherein the obesity is diet-induced.
- 27. (withdrawn) The method of claim 25 wherein physical indicia of obesity is increased fat.
- 28. (withdrawn) The method of claim 23 wherein the condition is diabetes.
- 29. (withdrawn) The method of claim 23 wherein the condition is cholesterolemia.
- 30. (withdrawn) The method of claim 23 wherein the condition is liver steatosis.
- 31. (withdrawn) The method of claim 23 wherein the animal is obese.
- 32. (withdrawn) The method of claim 23 wherein the animal is a mammal.
- 33. (withdrawn) A method of lowering serum free fatty acids in an animal comprising contacting said animal with an effective amount of the compound of claim 4.
- 34. (withdrawn) A method of lowering serum triglycerides in an animal comprising contacting said animal with an effective amount of the compound of claim 4.
- 35. (withdrawn) A method of lowering HDL cholesterol in an animal comprising contacting said animal with an effective amount of the compound of claim 4.
- 36. (withdrawn) A method of lowering total serum cholesterol in an animal comprising contacting said animal with an effective amount of the compound of claim 4.
- 37. (withdrawn) A method of lowering plasma insulin in an animal comprising contacting said animal with an effective amount of the compound of claim 4.
- 38. (withdrawn) A method of lowering hepatic triglycerides in an animal comprising

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contacting said animal with an effective amount of the compound of claim 4.

- 39. (withdrawn) The method of claim 37 wherein said plasma insulin levels are lowered at two weeks after said contacting.
- 40. (withdrawn) The method of claim 37 wherein said plasma insulin levels are lowered at four weeks after said contacting.
- 41. 43. (canceled)
- 44. (original) The compound of claim 1, wherein said compound comprises an antisense nucleic acid molecule that is specifically hybridizable with a coding region of the diacylglycerol acyltransferase 2 (SEQ ID NO: 4).
- 45. 48. (canceled)
- 49. (withdrawn) A method of inhibiting the expression of diacylglycerol acyltransferase 2 in a cell or tissue of an animal comprising contacting said cell or tissue with the compound of claim 1 so that expression of diacylglycerol acyltransferase 2 is inhibited.
- 50. (withdrawn) The method of claim 49 wherein said tissue is white adipose tissue.
- 51. (withdrawn) The method of claim 49 wherein the tissue is brown adipose tissue.
- 52. (withdrawn) A method of modulating fatty acid synthesis in an animal comprising contacting said animal with the compound of claim 4.
- 53. (withdrawn) A method of modulating lipogenesis in an animal comprising contacting said animal with the compound of claim 4.
- 54. (withdrawn) A method of modulating gluconeogenesis in an animal comprising contacting said animal with the compound of claim 4.
- 55. (withdrawn) A method of reducing the liver weight of an animal comprising contacting said animal with the compound of claim 4.
- 56. (withdrawn) The method of claim 55 wherein the animal is obese.
- 57. (withdrawn) The method of claim 55 wherein the animal is diabetic.
- 58. (new) The compound of claim 1, wherein said compound is 20 nucleobases in length.
- 59. (new) The compound of claim 13 having at least one modified internucleoside linkage, sugar moiety, or nucleobase.
- 60. (new) A compound 20 nucleobases in length targeted to a nucleic acid molecule encoding diacylglycerol acyltransferase 2 (SEQ ID NO: 4), wherein said compound has the nucleobase sequence of SEQ ID NO: 35.